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Patent Application

of

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and

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for

HYDRO DAMPER

Substitute
Specification
OK for
entry

Field of the Invention

The present invention relates to a hydro damper for attenuation of pressure oscillations and/or acoustic oscillations in systems which can use pressurized fluids for their operation.

Background of the Invention

In hydraulic systems, equipment-induced processes of varied types can cause pressure fluctuations, for example, due to the sudden connection of spaces with different pressure levels, due to actuation of cutoff and control fittings with short opening and closing times, especially due to nonuniformities in the operation of positive-displacement pumps, in which pump pulsations arise, and due to processes of turning positive-displacement pumps on and off.

Damper arrangements of varied designed are used to attenuate pressure fluctuations, periodic pressure oscillations or the resulting acoustic oscillations. Hydraulic dampers can be based on the principle of hydropneumatic bladder-type and diaphragm accumulators, or can be made as reflection dampers (silencers).